

U.S. Patent Application Serial No. **10/622,513**
Amendment filed March 16, 2005
Reply to OA dated October 21, 2004

AMENDMENTS TO THE CLAIMS:

Please cancel claims 1-6 without prejudice or disclaimer and add new claims 7-12, as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 6 (Canceled)

Claim 7. (New): A method of producing a heat radiation shielding transparent resin form, comprising: diluting and mixing a master batch containing a heat radiation shielding component with a thermoplastic-resin form material of the same type as the thermoplastic resin of the master batch or a different type of thermoplastic-resin form material having a compatibility with the master batch; and forming the resulting mixture;

wherein the master batch comprises as chief components a thermoplastic resin and a hexaboride represented by XB_6 wherein X is at least one selected from La, Ce, Pr, Nd, Gd, Tb, Dy, Ho, Y, Sm, Eu, Er, Tm, Yb, Lu, Sr and Ca; and

the hexaboride, which is a heat radiation shielding component, is contained in the master batch in an amount of from 0.01 part by weight or more to less than 20 parts by weight based on 100 parts by weight of the thermoplastic resin.

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Claim 8. (New): A method of producing a heat radiation shielding transparent resin form according to claim 7, wherein the thermoplastic resin is at least one selected from an acrylic resin, a polycarbonate resin, a polyether-imide resin, a polystyrene resin, a polyether-sulfone resin, a fluorine resin, a polyolefin resin and a polyester resin.

Claim 9. (New): A method of producing a heat radiation shielding transparent resin form according to claim 7 or 8, wherein the hexaboride is in the form of fine particles having an average particle diameter of 1000 nm or less.

Claim 10. (New): A method of producing a heat radiation shielding transparent resin form according to claim 7 or 8, wherein the hexaboride has been surface-treated with at least one selected from a silane compound, a titanium compound and a zirconia compound.

Claim 11. (New): A heat radiation shielding transparent laminate characterized by being obtained by laminating the heat radiation shielding transparent resin form resulting from the method according to claim 7 or 8 to other transparent form.

Claim 12. (New): A master batch containing a heat radiation shielding component, which is used to produce a heat radiation shielding transparent resin form,
wherein the master batch comprises as chief components a thermoplastic resin and a

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hexaboride represented by XB_6 wherein X is at least one selected from La, Ce, Pr, Nd, Gd, Tb, Dy, Ho, Y, Sm, Eu, Er, Tm, Yb, Lu, Sr and Ca;

the hexaboride, which is a heat radiation shielding component, is contained in an amount of from 0.01 part by weight or more to less than 20 parts by weight based on 100 parts by weight of the thermoplastic resin; and

the hexaboride has been surface-treated with at least one selected from a silane compound, a titanium compound and a zirconia compound.